

## CW103

**Solve each equation by taking square roots.**

1)  $8x^2 = 88$

2)  $x^2 + 5 = 14$

3)  $-6 + 9k^2 = 43$

4)  $16a^2 + 3 = 52$

**Solve each equation by factoring.**

5)  $n^2 - 3n + 2 = 0$

6)  $r^2 - 5r + 6 = 0$

7)  $x^2 + 2x - 3 = 0$

8)  $b^2 + 9b + 14 = 0$

9)  $2v^2 + 84 = -26v$

10)  $a^2 + 24 = 10a$

11)  $2x^2 + 20 = -14x$

12)  $n^2 = 21 - 4n$

**Solve each equation with the quadratic formula.**

13)  $11x^2 + 2x - 11 = 0$

14)  $-8m^2 + 11m + 2 = 0$

15)  $p^2 - 4p - 60 = 0$

16)  $2n^2 - 7n - 60 = 0$

17)  $3x^2 - 130 = -11x$

18)  $r^2 - 2 = 5r$

19)  $-10n^2 + 3n = -11$

20)  $-2b^2 + 99 = -7b$